Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A communications system for mobile units within a facility comprising a central controller, a plurality of wireless base stations having an adjustable transmission power, said base stations being distributed throughout the facility for wireless communication with said controller and said mobile units, said controller configuring said base stations into a plurality of micro- cells each including at least two base stations by adjusting the wireless transmission power of said base stations such that at least one base station in each micro-cell is a member of another micro-cell, at least one base station is able to communicate with the central controller and all mobile units within a selected area of the facility are able to communicate with at least one base station; wherein each of said mobile units is adapted to listen and receive signals from the base stations and send a message to at least one of the base stations which is communicated to the central control once a new base signal is heard or an old base signal is lost.

2. (Original) A communications system as claimed in claim 1 wherein each micro-cell includes at least two base stations that are members of other micro-cells.

3. (Original) A communication system as claimed in claim 2 wherein each micro-cell includes from three to six base stations.

4. (Previously Presented) A communication system as claimed in claim 1 wherein the base stations periodically transmit a message including a unique identification code.

5. (Original) A communication system as claimed in claim 4 wherein said message includes a measure of the transmitting power of the base station.

6. (Previously Presented) A communication system as claimed in claim 1 wherein each base station maintains a list of signals received from other base stations.

7. (Currently Amended) A communication system as claimed in claim 1 ~~1 to 6~~ wherein the base station transmission power is adjusted to provide minimal overlap of base stations between micro-cells.

8. (Previously Presented) A communication system as claimed in claim 1 wherein the base stations each have a known location and the micro-cells have a relatively small area compared to selected area of the facility.

9. (Previously Presented) A locating and messaging system for mobile units in a facility including a communication system as claimed in claim 1.

10. (Original) A location and messaging system as claimed in claim 9 wherein the mobile units include a transceiver for receiving and sending signals, a display device for displaying messages, a power source and at least one user interface for accepting an input.

11. (Currently Amended) A method of wireless communication between a central controller and mobile units within a facility via a plurality of base stations having adjustable transmission power distributed throughout the facility for wireless communication with said controller and said mobile units comprising configuring the base stations into a plurality of micro-cells each including at least two base stations by adjusting the wireless transmission power of said base stations such that at least one base station in each micro-cell is a member of another micro-cell, at least one base station is able to communicate with the central controller and all mobile units within a selected area of the facility are able to communicate with at least one base station; wherein each of said mobile units is adapted to listen and receive signals from the base stations and send a message to at least one of the base

stations which is communicated to the central control once a new base signal is heard or an old base signal is lost.

12. (Original) A method as claimed in claim 11 wherein each micro-cell includes at least two base stations that are members of other micro-cells.

13. (Original) A method as claimed in claim 12 wherein each micro-cell includes from three to six base stations.

14. (Previously Presented) A method as claimed in claim 11 wherein the base stations periodically transmit a message including a unique identification code.

15. (Original) A method as claimed in claim 14 wherein said message includes a measure of the transmitting power of the base station.

16. (Previously Presented) A method as claimed in claim 11 wherein each base station maintains a list of signals received from other base stations.

17. (Previously Presented) A method as claimed in claim 11 wherein the base station transmission power is adjusted to provide minimal overlap of base stations between micro-cells.

18. (Previously Presented) A method as claimed in claim 11 wherein the base stations each have a known location and the micro-cells have a relatively small area compared to selected area of the facility.

19. (Previously Presented) A method for locating and messaging to mobile units in a facility including a method as claimed in claim 11.

20. (Original) A method as claimed in claim 19 wherein the mobile units include a transceiver for receiving and sending signals, a display device for displaying messages, a power source and at least one user interface for accepting an input.